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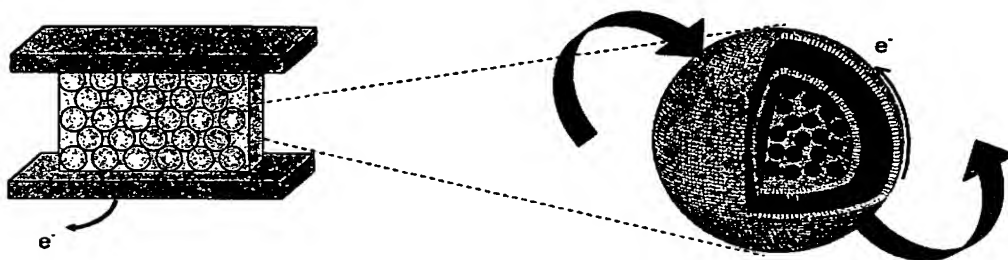
(71) Applicant and  
(72) Inventor: JANSSEN, Catharina, Philippina [NL/NL];  
Rijksweg 35 B, NL-6584 AA Molenhoek (NL).

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(54) Title: SUSPENSION FOR THE GENERATION OF A CURRENT OF ELECTRONS AND THE USE AND THE PREPARA-  
TION THEREOF



(57) Abstract: The present invention relates to a suspension that can be used to generate a current of electrons, which suspension comprises a polypeptide, wherein the polypeptide is entrapped in a hollow particle. It furthermore relates to the use of the suspen-  
sion described above for the production of a battery. More specifically the present invention relates to the use of the suspension  
described above for the production of a nano-battery for the use in combination with a microchip. The present invention also relates  
to a battery using the suspension described above. In another aspect the present invention relates to a fuel cell, comprising: an anode  
compartment including an anode; a cathode compartment including a cathode; and disposed within said anode compartment, within  
said cathode compartment, or between said anode compartment and said cathode compartment, the suspension described above. In  
addition the present invention relates to a device for detection of a solute using the suspension described above, and more specifically  
to a device for the detection of glucose. In still another aspect the present invention relates to a method of producing electrical power,  
comprising the use of the suspension described above. Furthermore the invention relates to a method for preparing the suspension  
described above, comprising the steps of (a) making an aqueous solution of bis(2,2'-bipyridine)ruthenium(II)bis(pyrazolyl); (b) in-  
jecting a solution containing polystyrene-*b*-poly(L-isocyanoalanine(2-thiophen-3-yl-ethyl)amide) in THF into the solution made in  
step (a) preferably also comprising (c) placing the dispersion made in step (b) at 60 °C; (d) cooling the dispersion to room tempera-  
ture, and (e) filter the dispersion of step (d) using a filter with a cutoff of 100 kDa.